

PH 16

1653



1600

ENTERED

RAW SEQUENCE LISTING

DATE: 03/27/2002

PATENT APPLICATION: US/09/648,816B

TIME: 13:45:12

Input Set : A:\415C1.app.txt

Output Set: N:\CRF3\03272002\I648816B.raw

4 <110> APPLICANT: Yeaman, Michael R.
 5 Shen, Alexander J.
 7 <120> TITLE OF INVENTION: ANTIMICROBIAL PEPTIDES AND DERIVED
 8 METAPEPTIDES
 10 <130> FILE REFERENCE: 660081.415C1
 12 <140> CURRENT APPLICATION NUMBER: US 09/648,816B
 13 <141> CURRENT FILING DATE: 2000-08-25
 15 <150> PRIOR APPLICATION NUMBER: US 09/622,561
 16 <151> PRIOR FILING DATE: 2000-08-18
 18 <160> NUMBER OF SEQ ID NOS: 111
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 74
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Oryctolagus cuniculus
 27 <400> SEQUENCE: 1
 28 Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val
 29 1 5 10 15
 30 Lys Thr Thr Ser Leu Val Arg Pro Arg His Ile Thr Asn Leu Glu Leu
 31 20 25 30
 32 Ile Lys Ala Gly Gly His Cys Pro Thr Ala Asn Leu Ile Ala Thr Lys
 33 35 40 45
 34 Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu Tyr Lys
 35 50 55 60
 36 Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
 37 65 70
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 74
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Oryctolagus cuniculus
 45 <400> SEQUENCE: 2
 46 Ser Asp Asp Pro Lys Glu Ser Glu Gly Asp Leu His Cys Val Cys Val
 47 1 5 10 15
 48 Lys Thr Thr Ser Leu Val Arg Pro Gly His Ile Thr Asn Leu Glu Leu
 49 20 25 30
 50 Ile Lys Ala Gly Gly His Cys Pro Thr Ala Asn Leu Ile Ala Thr Lys
 51 35 40 45
 52 Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu Tyr Lys
 53 50 55 60
 54 Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
 55 65 70
 58 <210> SEQ ID NO: 3
 59 <211> LENGTH: 18

 RECEIVED
 APR 02 2002
 TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/648,816B

DATE: 03/27/2002

TIME: 13:45:12

Input Set : A:\415C1.app.txt

Output Set: N:\CRF3\03272002\I648816B.raw

60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
65 microbiocidal domains from platelet microbial
66 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
68 <400> SEQUENCE: 3
69 Ala Leu Tyr Lys Lys Phe Lys Lys Lys Leu Leu Lys Ser Leu Lys Arg
70 1 5 10 15
71 Leu Gly
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 13
77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
82 microbiocidal domains from platelet microbial
83 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
85 <400> SEQUENCE: 4
86 Ala Arg Tyr Lys Lys Phe Lys Lys Lys Leu Leu Lys Ser
87 1 5 10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 14
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
97 microbiocidal domains from platelet microbial
98 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
100 <400> SEQUENCE: 5
101 Lys Leu Tyr Arg Lys Phe Lys Asn Lys Leu Leu Lys Leu Lys
102 1 5 10
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 13
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
112 microbiocidal domains from platelet microbial
113 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
115 <400> SEQUENCE: 6
116 Ala Arg Tyr Arg Lys Phe Lys Asn Lys Ile Leu Lys Ser
117 1 5 10
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 13
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/648,816B

DATE: 03/27/2002

TIME: 13:45:12

Input Set : A:\415C1.app.txt

Output Set: N:\CRF3\03272002\I648816B.raw

```

127      microbiocidal domains from platelet microbial
128      proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
130 <400> SEQUENCE: 7
131 Ala Arg Tyr Arg Lys Phe Arg Asn Lys Ile Leu Arg Ser
132 1          5          10
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 14
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
142      microbiocidal domains from platelet microbial
143      proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
145 <400> SEQUENCE: 8
146 Lys Leu Tyr Lys Lys Trp Lys Lys Lys Leu Leu Lys Lys
147 1          5          10
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 13
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
157      microbiocidal domains from platelet microbial
158      proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
160 <400> SEQUENCE: 9
161 Ala Leu Tyr Lys Lys Trp Lys Asn Lys Leu Leu Lys Ser
162 1          5          10
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 18
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
172      microbiocidal domains from platelet microbial
173      proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
175 <400> SEQUENCE: 10
176 Lys Leu Tyr Lys Lys Trp Lys Asn Lys Leu Lys Arg Ser Leu Lys Arg
177 1          5          10          15
178 Leu Gly
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 13
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
189      microbiocidal domains from platelet microbial
190      proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
192 <400> SEQUENCE: 11
193 Ala Leu Tyr Lys Lys Leu Phe Lys Lys Leu Leu Lys Arg

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/648,816B

DATE: 03/27/2002
 TIME: 13:45:12

Input Set : A:\415C1.app.txt
 Output Set: N:\CRF3\03272002\I648816B.raw

```

194 1 5 10
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 13
199 <212> TYPE: PRT
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
204 microbiocidal domains from platelet microbial
205 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
207 <400> SEQUENCE: 12
208 Gly Leu Tyr Lys Arg Leu Phe Lys Lys Leu Leu Lys Ser
209 1 5 10
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 13
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
219 microbiocidal domains from platelet microbial
220 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
222 <400> SEQUENCE: 13
223 Ala Leu Tyr Lys Arg Leu Phe Lys Lys Leu Lys Lys Phe
224 1 5 10
227 <210> SEQ ID NO: 14
228 <211> LENGTH: 17
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
234 microbiocidal domains from platelet microbial
235 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
237 <400> SEQUENCE: 14
238 Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
239 1 5 10 15
240 Leu
244 <210> SEQ ID NO: 15
245 <211> LENGTH: 8
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
251 microbiocidal domains from platelet microbial
252 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
254 <400> SEQUENCE: 15
255 Arg Phe Glu Lys Ser Lys Ile Lys
256 1 5
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 20
261 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 03/27/2002

PATENT APPLICATION: US/09/648,816B

TIME: 13:45:12

Input Set : A:\415C1.app.txt

Output Set: N:\CRF3\03272002\I648816B.raw

262 <213> ORGANISM: Artificial Sequence
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
 266 microbiocidal domains from platelet microbial
 267 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
 269 <400> SEQUENCE: 16
 270 Ser Ala Ile His Pro Ser Ser Ile Leu Lys Leu Glu Val Ile Cys Ile
 271 1 5 10 15
 272 Gly Val Leu Gln
 273 20
 276 <210> SEQ ID NO: 17
 277 <211> LENGTH: 14
 278 <212> TYPE: PRT
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
 283 microbiocidal domains from platelet microbial
 284 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
 286 <400> SEQUENCE: 17
 287 Tyr Ala Glu Arg Leu Cys Thr Cys Ser Ile Lys Ala Glu Val
 288 1 5 10
 291 <210> SEQ ID NO: 18
 292 <211> LENGTH: 11
 293 <212> TYPE: PRT
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:
 297 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
 298 microbiocidal domains from platelet microbial
 299 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
 301 <400> SEQUENCE: 18
 302 Lys Phe Lys His Tyr Phe Phe Trp Lys Tyr Lys
 303 1 5 10
 306 <210> SEQ ID NO: 19
 307 <211> LENGTH: 11
 308 <212> TYPE: PRT
 309 <213> ORGANISM: Artificial Sequence
 311 <220> FEATURE:
 312 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
 313 microbiocidal domains from platelet microbial
 314 proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
 316 <400> SEQUENCE: 19
 317 Lys Gly Tyr Phe Tyr Phe Leu Phe Lys Phe Lys
 318 1 5 10
 321 <210> SEQ ID NO: 20
 322 <211> LENGTH: 11
 323 <212> TYPE: PRT
 324 <213> ORGANISM: Artificial Sequence
 326 <220> FEATURE:
 327 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/648,816B

DATE: 03/27/2002

TIME: 13:45:13

Input Set : A:\415C1.app.txt

Output Set: N:\CRF3\03272002\I648816B.raw